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Title: JET STREAM WORKING DEVICE, JET STREAM WORKING SYSTEM AND JET STREAM WORKING METHOD

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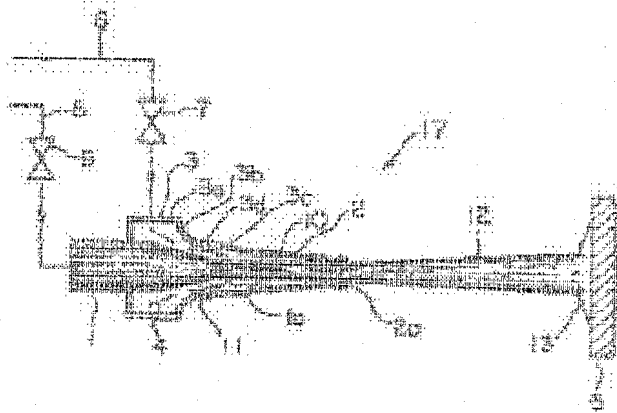
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INPADOC patent family: EP0829311 (A2); US6116858 (A)

Abstract:

PROBLEM TO BE SOLVED: To provide a jet stream working device, a jet stream working system and a jet stream working method in which the removal of material stuck on a surface to be worked, the deburring involved in metal working, and the improvement of stress on a metal surface are effectively performed with simple constitution.

SOLUTION: A jet stream working device 17 is provided with a water nozzle 1 for jetting a water jet stream consisting of liquid phase water, a steam nozzle 3 for making a gas phase steam stream 4 supersonic to form a steam jet stream 11 and jet this steam jet stream so that it may be mixed with the water jet stream excessively beyond heat balance, and a mixing nozzle 2 for mixing the water jet stream and the steam jet stream to jet a two-phase jet stream 12 consisting of the water jet stream and the steam jet stream directly toward an object to be worked 5.



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